



EQUITY CUSTOM HOMES, INC.



Equity Custom Homes Copper Creek: “*The PowerHouse*”

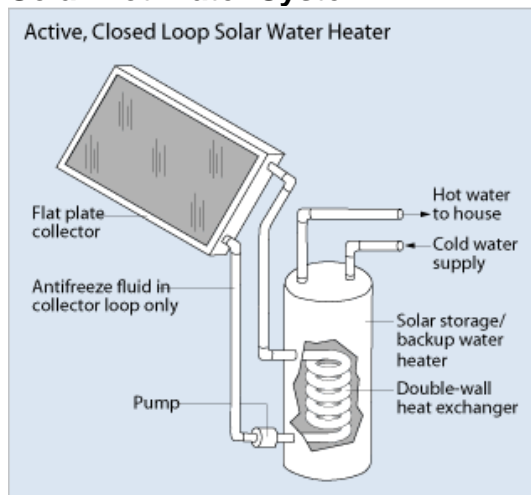
Affectionately nicknamed “*The PowerHouse*” – to reflect its powerful energy savings and homeowner comfort – this home is a celebration of 20 years of innovative home building by Equity Custom Homes, Inc. Equity Custom Homes, Inc. is operated by partners Matt Lawrence and Scott Dittman.

Built Green Features

Scoring over **300 points** on the Built Green Checklist, *The PowerHouse* is indeed a powerful demonstration of environmentally conscious home design, incorporating solar energy technologies and an alternative fuel vehicle station. Built Green Colorado, a program of the HBA, encourages home builders, suppliers and manufacturers to use technologies, products and practices to build homes that are better built and better for the environment.

Preliminary Built Green Score: 301 pts.

Solar Hot Water System

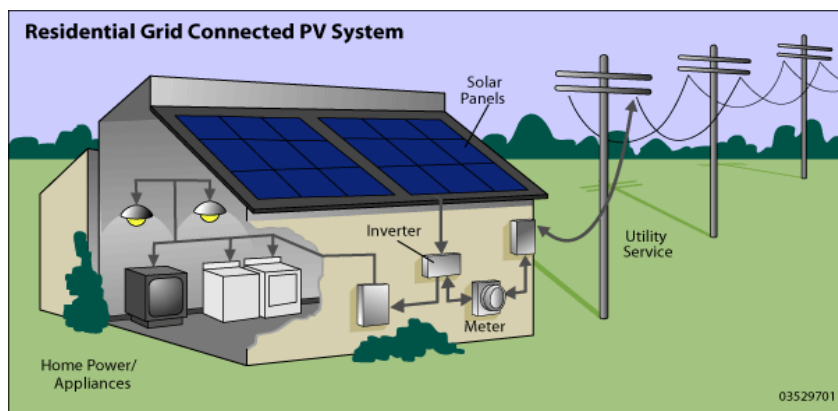


The PowerHouse is made for comfort with a solar thermal system that is interfaced with the radiant in-floor heating system and also preheats the domestic hot water. In the summertime, this system will produce all of the domestic hot water that the *The PowerHouse* consumes. Using solar thermal energy reduces the need for natural gas, which can fluctuate greatly in price. Also, solar technologies emit no greenhouse gas emissions, unlike the burning of fossil fuels.

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Solar Electric System

The PowerHouse powers down the monthly electric bill by employing an expandable photovoltaic, or PV, system that converts the sun's rays to electricity. The 1 Kilowatt (kW) PV system mounted on a shading structure adjacent to *The PowerHouse* will produce roughly 1,500 kWh/yr. When the PV system is producing more electricity than *The PowerHouse* can consume, that electricity is sold to the utility in an arrangement called net metering.



Natural Gas Phill Station



The PowerHouse is equipped with a natural gas Phill station designed for use with a new generation of consumer motor vehicles in residential environments. *Phill* is the world's first appliance that lets you refuel your Natural Gas Vehicle indoors or outdoors from your household natural gas line!

Sources & for more information

Equity Custom Homes, Inc.

www.equitycustomhomes.com/

Built Green® Colorado

www.builtgreen.org/

NG Phill Station

www.myphill.com

Honda Civic GX NGV

http://automobiles.honda.com/models/model_overview.asp?ModelName=Civic+GX

Solar Electric Systems

www.eere.energy.gov/consumer/your_home/electricity/index.cfm/mytopic=10720

Solar Hot-water Systems

www.eere.energy.gov/RE/solar_hotwater.html

Home Builders Association of Metro Denver

www.hbadenver.com